In the Claims

Please cancel claims 1-3 without prejudice or disclaimer.

Please add the following new claims 10-32:

10. (new) A receiver, comprising:

- a substrate;
- a first mixer disposed on the substrate;
- a differential filter coupled to an output of the first mixer; and
- a second maxer, disposed on the substrate and coupled to an output of the differential filter.
- 1. (new) The receiver of claim 10, wherein the differential filter is a surface acoustic wave (SAW) filter.
- 12. (new) The receiver of claim 10, wherein the differential filter is configured external to the substrate.
- 13 (new) The receiver of claim 10, wherein the differential filter is disposed on the substrate.
- 14. (new) The receiver of claim 10, wherein the substrate is processed using CMOS.
- 15. (new) The receiver of claim 10, wherein the second mixer provides image rejection.
- (new) The receiver of claim 10, wherein the second mixer is a differential I/Q mixer that provides image rejection.
- (new) The receiver of claim 10, wherein the first mixer and the second mixer are differential mixers.
- 18. (new) The receiver of clam 10, wherein the differential filter removes at least one channel from a plurality of channels received from the output of the first mixer.

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19. (new) A receiver that processes a RF signal having a plurality of channels, the receiver comprising:

a substrate;

- a first circuit, disposed on the substrate, that translates the RF signal to a first IF signal;
- a differential filter that removes at least one channel from the first IF signal;
- a second circuit, disposed on the substrate, that performs image rejection and generates a second IF signal; and
 - at least the first IF signal comprising a differential signal.
- 20. (new) The receiver of claim 19, wherein the second IF signal comprises a second differential signal.
- 21. (new) The receiver of claim 19, at least a portion of the differential filter being disposed external to the substrate.
- 22. (new) The receiver of claim 19, further comprising an automatic gain control (AGC) circuit coupled to an output of the second circuit, and disposed on said substrate.
- 23. (new) The receiver of claim 19, wherein the first circuit and the second circuit are differential mixer circuits.
- 24. (new) The receiver of claim 23, wherein the second circuit is an I/Q differential mixer circuit.
- 25. (new) A method for processing a RF signal having a plurality of channels, comprising:
- (1) mixing the RF signal with a first differential local oscillator signal to produce a first differential IF signal;
- (2) removing at least one unwanted channel from the first differential IF signal using a differential filter to produce a second differential IF signal;
- (3) adjusting the first local oscillator signal so that a selected channel in the plurality of channels is shifted into a passband of the differential filter; and

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- (4) mixing the second differential IF signal with a second differential local oscillator signal to produce a second differential IF signal.
- 26. (new) The method of claim 25, wherein the plurality of channels are television channels.
- 27. (new) The method of claim 25, further comprising the step of:
 - (5) removing at least one unwanted channel from the second differential IF signal.
- 28. (new) The method of claim 25, wherein steps (1), (3), and (4) are performed on a common substrate.
- 29. (new) The method of claim 25, wherein step (2) is performed external to the common substrate.
- 30. (new) The method of claim 25, further comprising the step of:
 - (5) performing automatic gain control on the second IF signal on the common substrate.
- 31. (new) The method of claim 25, wherein step (4) includes the step of removing at least one unwanted image from the second differential IF signal.
- 32. (new) A receiver for processing a plurality of channels, comprising:
 - a substrate;
 - a first differential mixer disposed on the substrate;
- a differential filter coupled to an output of the first differential mixer and configured external to the substrate; and
- a second differential mixer, disposed on the substrate and coupled to an output of the differential filter, said second differential mixer providing image rejection.

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